

VERTICAL ROTARY PARKING SYSTEM

Abstract

Provided is a simple vertical rotary parking system by which noise generated due to a circulation of a sustain chain is greatly reduced. In the vertical rotary parking system, chain guide rails each forming a vertically long endless track are formed on a frame. A suspension chain for pulling hangers with palettes on which vehicles are loaded is combined between the chain guide rails such as to be rotated. A driving motor is fixed to the frame. An annular rotating body has an inner circumference on which an inscribed gear is formed, and includes at least two pull blocks formed opposite to each other. Hanger support plates for pulling the hangers are fixed to the suspension chain and each constituted with a pair of dogs, between which the pull block enters so that the suspension chain is pulled. In the vertical rotary parking system, the suspension chain circulates while a hanger support plate is being pulled by the pulling block.